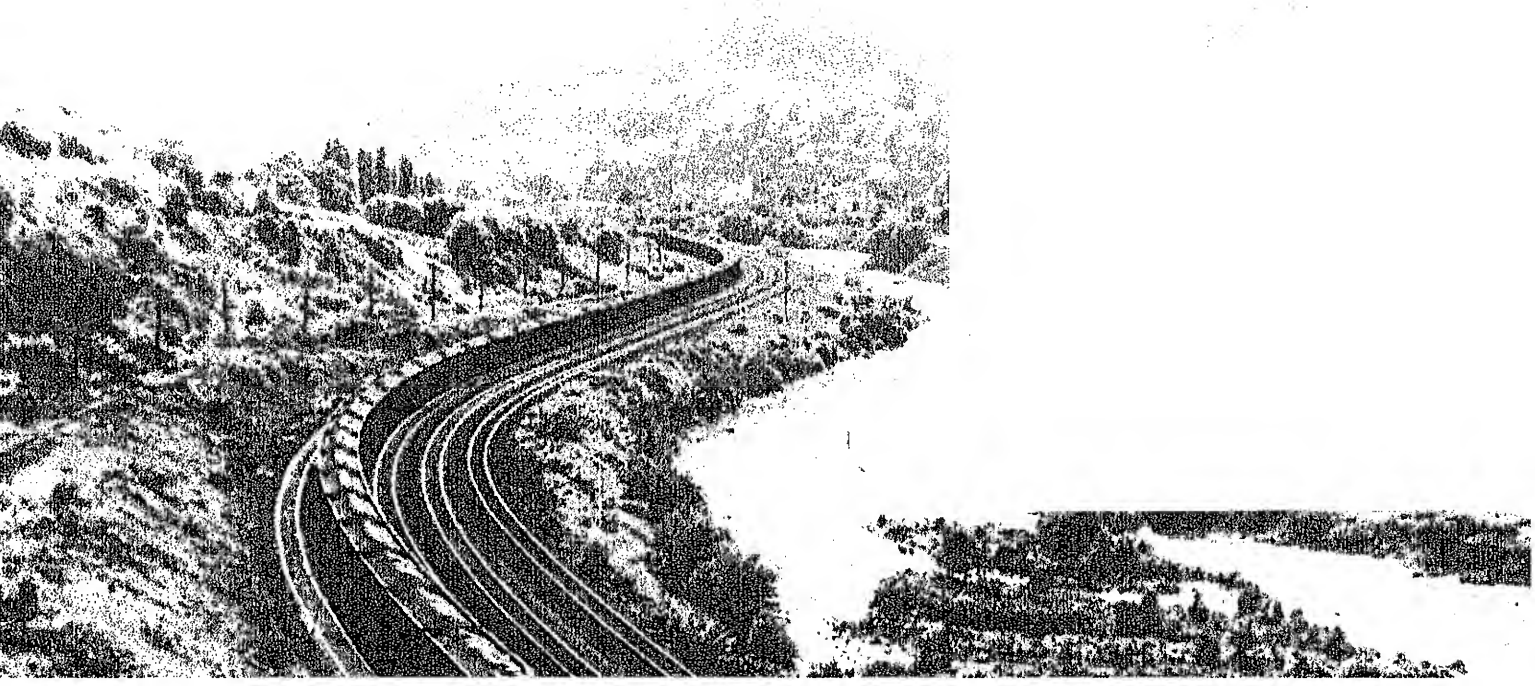
DOE/EIA-0218(91-10)

Weekly Coal Production

Energy
Information
Administration

Production for Week Ended:
March 2, 1991



Preface

The *Weekly Coal Production (WCP)* provides weekly estimates of U.S. coal production by State. Supplementary data are usually published monthly in two supplements: the Coal Exports and Imports Supplement and the Domestic Market Supplement. The Coal Exports and Imports Supplement contains detailed monthly data on U.S. coal and coke exports and imports. This week's Domestic Market Supplement contains detailed monthly electric utility coal statistics, by Census Division and State, for generation, consumption, stocks, receipts, sulfur content, prices, and the origin and destination of coal shipments. This supplement also contains summary-level, monthly data for all coal-consuming sectors on a quarterly basis.

Preliminary coal production data are published quarterly, based on production data collected using Form EIA-6, "Coal Distribution Report." Based on 1988 and 1989 data, the coal production estimation error for a quarter at the national level (i.e., the difference between the sum of the weekly estimates for a quarter and the quarterly EIA-6 preliminary data) ranges from 1 percent to 4 percent for 1988 and 1 percent to 2 percent for 1989.

Final coal production data are published annually, based on the EIA-7A coal production survey. Based on 1988 and 1989 data, the revision error for a quarter at the national level (i.e., the difference between the EIA-6 preliminary data and the EIA-7A final data) ranges from 0.02 percent to 0.08 percent for 1988 and 0.09 percent to 0.14 percent for 1989.

This publication is prepared by the Coal Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration (EIA) to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275) as amended. *Weekly Coal Production* is intended for use by industry, press, State and local governments, and consumers. Other publications that may be of interest are the quarterly *Coal Distribution,* the *Quarterly Coal Report, Coal Production 1989,* and *Coal Data: A Reference.*

This publication was prepared by Wayne M. Watson and Michelle D. Bowles under the direction of Mary K. Paull and Noel C. Balthasar, Chief, Data Systems Branch. *Questions on energy statistics should be directed to the National Energy Information Center (NEIC) at (202/586-8800).*

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Summary

U.S. coal production in the week ended March 2, 1991, as estimated by the Energy Information Administration, totaled 21 million short tons. This was about the same as in the previous week, and in the comparable week in 1990. Production east of the Mississippi River totaled 12 million short tons, and production west of the Mississippi River totaled 9 million short tons.

Coal production in February 1991 totaled 83 million short tons, 4 percent less than in January and about the same as in February 1990.

1990 Domestic Market Summary

In December 1990, electric utility plants consumed 68 million short tons of coal, compared with 72 million short tons a year earlier. Coal consumption at electric utilities in 1990 totaled 772 million short tons, setting a new record that was 5 million short tons more than in 1989. Coal-fired electricity generation in December 1990 amounted to 136,576 gigawatthours (GWh), 7 percent less than in December 1989, primarily due to the unseasonably warm weather in most regions of the Nation. Total coal-fired electricity generation in 1990, which also set a record, was 1,557,498 GWh. In 1990, coal-fired generation represented 56 percent of total electricity generation, about the same as in 1989. The three States leading in coal-fired generation were Texas, Ohio, and Pennsylvania. Together they accounted for 22 percent of total coal-fired generation.

Coal stocks at electric utility plants amounted to 155 million short tons at the end of 1990. This was 20 million short tons more than stocks at the end of 1989, and the highest year-end level since 1987.

Coal receipts at electric utilities in November 1990 were down 4 million short tons from the previous month and about the same as a year earlier. For January through November 1990, coal receipts were 5 percent higher than in the comparable period in 1989, primarily to build up stocks.

Figure 1. Coal Production

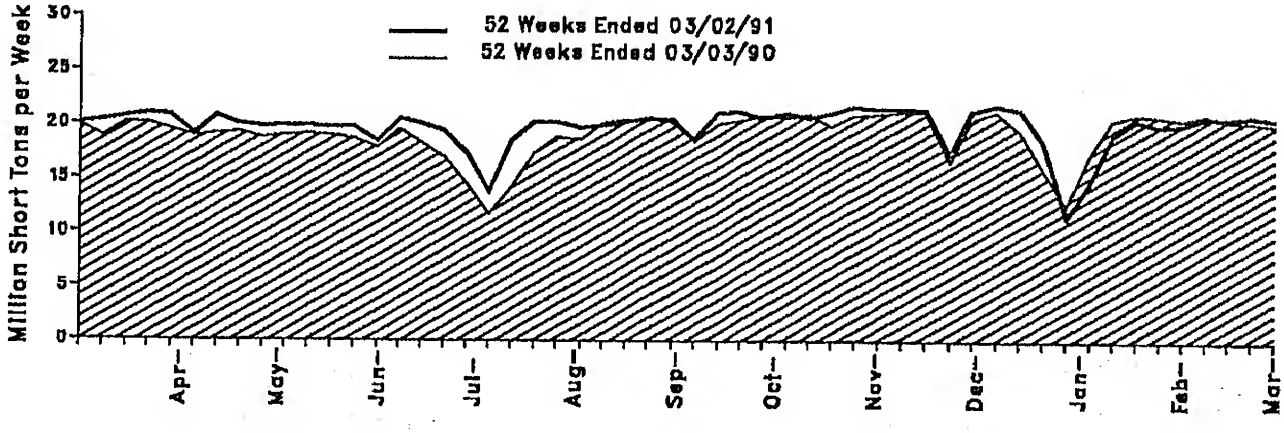

Table 1. Coal Production

Production and Cartoadings	Week Ended			52 Weeks Ended		
	03/02/91	02/23/91	03/03/90	03/02/91	03/03/90	Percent Change
Production (Thousand Short Tons)						
Bituminous[1] and Lignite	20,508	20,773	20,015	1,025,087	988,724	3.7
Pennsylvania Anthracite	54	57	57	3,067	3,214	-4.6
U.S. Total	20,561	20,829	20,073	1,028,154	991,938	3.7
Railroad Cars Loaded	130,478	132,250	127,872	6,646,929	6,432,043	

[1] Includes subbituminous coal.
Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.
Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 2. Coal Production by State
(Thousand Short Tons)

Region and State	Week Ended		
	03/02/91	02/23/91	03/03/90
Bituminous Coal[1] and Lignite			
East of the Mississippi	11,996	11,895	12,317
Alabama	516	543	536
Illinois	1,243	1,323	1,224
Indiana	743	772	687
Kentucky	3,199	3,171	3,399
Kentucky, Eastern	2,455	2,342	2,483
Kentucky, Western	744	829	916
Maryland	60	57	71
Ohio	694	683	720
Pennsylvania Bituminous	1,297	1,277	1,439
Tennessee	136	132	123
Virginia	845	823	969
West Virginia	3,263	3,115	3,149
West of the Mississippi	8,512	8,878	7,698
Alaska	34	34	29
Arizona	236	239	241
Arkansas	*	*	*
Colorado	339	461	375
Iowa	7	7	7
Kansas	17	17	18
Louisiana	52	30	48
Missouri	45	45	53
Montana	785	802	730
New Mexico	521	442	536
North Dakota	648	661	587
Oklahoma	30	40	39
Texas	1,094	1,109	1,040
Utah	385	528	433
Washington	114	115	95
Wyoming	4,206	4,344	3,466
Bituminous[1] and Lignite Total	20,508	20,773	20,015
Pennsylvania Anthracite	54	57	57
U.S. Total	20,561	20,829	20,073

[1] Includes subbituminous coal.
* Less than 0.5 thousand short tons.
Notes: All data are preliminary. Total may not equal sum of components because of independent rounding.
Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 3. Coal Production by State, February 1991
(Thousand Short Tons)

Region and State	February 1991	January 1991	February 1990	Year to Date		
				1991	1990	Percent Change
Bituminous Coal[1] and Lignite						
East of the Mississippi	47,004	49,538	51,367	96,543	107,336	-10.1
Alabama	2,192	2,467	2,375	4,659	4,989	-6.6
Illinois	5,114	5,335	5,179	10,449	10,976	-4.8
Indiana	2,873	3,018	2,946	5,891	5,854	.6
Kentucky	12,610	13,082	13,856	25,693	29,270	-12.2
Kentucky, Eastern	9,405	9,886	10,250	19,292	21,479	-10.2
Kentucky, Western	3,205	3,196	3,606	6,401	7,791	-17.8
Maryland	227	235	290	462	623	-25.8
Ohio	2,678	2,817	2,940	5,495	6,161	-10.8
Pennsylvania Bituminous	4,884	5,029	5,985	9,913	12,030	-17.6
Tennessee	541	599	530	1,140	1,101	3.5
Virginia	3,358	3,698	4,159	7,057	8,680	-18.7
West Virginia	12,527	13,257	13,109	25,784	27,651	-6.8
West of the Mississippi	35,378	36,085	30,429	71,463	64,764	10.3
Alaska	135	126	117	261	248	5.5
Arizona	948	890	986	1,838	2,068	-11.1
Arkansas	1	2	1	3	3	6.1
California	-	-	-	-	13	.0
Colorado	1,792	1,853	1,598	3,645	3,319	9.8
Iowa	29	32	30	61	63	-2.8
Kansas	68	94	72	162	148	9.2
Louisiana	218	238	157	457	402	13.5
Missouri	180	239	218	419	459	-8.6
Montana	3,238	3,265	2,843	6,501	6,077	7.0
New Mexico	1,906	2,202	1,874	4,108	3,731	10.1
North Dakota	2,668	2,690	2,206	5,356	4,938	8.5
Oklahoma	152	164	154	316	340	-7.1
Texas	4,394	4,732	4,249	9,126	8,991	1.5
Utah	2,004	2,055	1,868	4,060	3,930	3.3
Washington	456	390	387	847	816	3.7
Wyoming	17,191	17,113	13,589	34,304	29,218	17.4
Bituminous[1] and Lignite Total	82,382	85,624	81,796	168,006	172,100	-2.4
Pennsylvania Anthracite	206	210	221	416	459	-9.3
U.S. Total	82,588	85,834	82,017	168,422	172,558	-2.4

[1] Includes subbituminous coal.

Note: 1990 data are preliminary. Total may not equal sum of components because of independent rounding.

Sources: Association of American Railroads, Transportation Division, Weekly Statement CS-54A; Energy Information Administration, Form EIA-6, "Coal Distribution Report"; Form EIA-7A, "Coal Production Report"; and State mining agency coal production reports.

Table 4. Coal Statistics for Electric Utilities, 1981-1990

Year and Month	Receipts				Consumption (thousand short tons)	Generation		Stocks (thousand short tons)
	Quantity (thousand short tons)	Percent Contract	Price (cents per MM Btu)	Quality (lbs. sulfur per MM Btu)		GWh[1]	Percent[2]	
1981	579,374	86.9	153	1.43	596,797	1,203,203	52.4	168,893
1982	601,427	90.4	165	1.42	593,666	1,192,004	53.2	181,132
1983	592,728	88.3	166	1.39	625,211	1,259,424	54.5	155,598
1984	664,111	85.5	166	1.39	664,399	1,341,681	55.5	179,727
1985	666,743	88.9	165	1.32	693,841	1,402,128	56.8	156,376
1986	686,964	87.5	158	1.32	685,056	1,385,831	55.7	161,806
1987	721,298	84.6	151	1.31	717,894	1,463,781	56.9	170,797
1988								
January	58,626	85.7	147	1.32	67,850	137,845	57.9	163,561
February	56,871	86.7	149	1.27	61,401	126,267	58.2	160,424
March	59,021	86.8	149	1.27	58,758	120,034	56.1	162,603
April	56,136	87.9	150	1.24	54,135	109,135	55.7	165,750
May	57,920	87.9	150	1.25	56,529	115,195	55.3	166,328
June	59,337	87.1	146	1.25	65,343	132,266	56.8	161,215
July	58,989	86.9	146	1.21	71,749	144,301	56.0	148,234
August	68,696	86.4	145	1.24	75,253	152,377	56.9	141,389
September	63,103	85.2	145	1.27	61,540	124,410	56.5	142,830
October	63,574	86.3	146	1.29	59,561	121,339	57.6	147,130
November	62,015	84.3	146	1.26	59,305	121,054	57.8	150,016
December	63,487	82.6	142	1.27	66,948	136,427	58.6	146,507
Total	727,775	86.3	147	1.26	758,372	1,540,653	57.0	
1989								
January	62,443	82.6	143	1.28	66,767	135,181	58.1	142,538
February	56,634	82.9	145	1.29	62,784	127,187	57.9	137,363
March	63,218	83.4	144	1.28	62,005	126,725	55.9	139,036
April	62,076	82.2	144	1.27	56,144	115,451	55.5	144,674
May	64,796	84.0	145	1.30	58,527	119,108	54.1	151,067
June	61,272	83.9	145	1.28	63,635	128,615	54.6	148,981
July	55,429	83.2	144	1.22	69,720	138,638	53.9	134,865
August	70,147	82.9	145	1.29	70,493	141,901	54.9	133,948
September	64,539	81.1	146	1.27	62,910	126,898	55.9	135,640
October	66,578	80.7	145	1.29	60,561	122,393	55.7	142,280
November	65,570	80.7	144	1.28	61,006	124,338	56.7	147,207
December	60,515	81.9	143	1.27	72,336	147,227	56.8	135,860
Total	753,217	82.4	144	1.28	766,888	1,553,661	55.8	
1990								
January	67,637	82.7	145	1.30	60,060	132,496	55.9	138,358
February	62,280	82.1	146	1.30	58,003	115,898	54.5	143,413
March	67,518	83.1	145	1.31	60,616	122,958	54.5	150,808
April	63,888	82.9	147	1.30	57,661	117,111	55.6	156,318
May	64,958	83.1	148	1.30	59,042	119,644	53.8	163,233
June	63,604	82.4	146	1.29	65,167	132,459	53.2	162,745
July	63,427	82.8	144	1.26	71,020	144,232	54.2	154,979
August	70,571	83.5	145	1.29	73,200	146,858	54.8	151,996
September	65,728	82.3	145	1.28	66,948	135,248	56.9	149,120
October	69,159	82.2	146	1.28	64,264	130,176	57.9	154,857
November	65,401	82.3	145	1.27	61,041	123,841	58.0	160,166
December	NA	NA	NA	NA	68,493	136,576	57.6	155,401
Total	NA	NA	NA	NA	771,515	1,557,498	55.5	

on as a percentage of total generation.

not equal sum of components because of independent rounding. MM Btu represents million Btu.
ts: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."
and Generation: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 5. Coal-Fired Net Generation, December 1990
(Gigawatthours)

Census Division and State	December 1990	December 1989	Percent Change	Year to Date				
				Coal Generation			Percent of Total Generation	
				1990	1989	Percent Change	1990	1989
New England	1,664	1,640	1.5	16,589	17,248	-3.8	17.6	17.7
Connecticut	211	248	-14.9	2,359	2,095	12.6	7.3	6.1
Maine	-	-	-	-	-	-	-	-
Massachusetts	1,111	1,194	-7.0	11,271	12,088	-6.8	30.9	30.9
New Hampshire	342	197	73.7	2,959	3,065	-3.5	27.4	43.0
Rhode Island	0	0	-	0	0	-	.0	.0
Vermont	-	-	-	-	-	-	-	-
Middle Atlantic	11,268	13,455	-16.3	133,670	139,530	-4.2	40.4	42.7
New Jersey	524	684	-23.3	7,058	8,392	-15.9	19.3	20.4
New York	2,064	2,371	-13.0	24,616	25,224	-2.4	19.1	19.3
Pennsylvania	8,680	10,400	-16.5	101,996	105,913	-3.7	61.6	68.4
East North Central	31,467	33,340	-5.6	362,333	355,688	1.9	74.6	73.7
Illinois	4,771	5,849	-18.4	53,866	51,124	5.4	42.4	40.3
Indiana	8,023	8,510	-5.7	96,013	87,330	9.9	98.2	98.6
Michigan	5,852	5,877	-.4	65,296	67,618	-3.4	73.3	73.9
Ohio	10,031	10,165	-1.3	115,014	117,819	-2.4	90.9	89.6
Wisconsin	2,789	2,937	-5.0	32,144	31,796	1.1	70.6	71.7
West North Central	15,027	15,510	-3.1	162,841	162,278	.3	75.3	75.2
Iowa	2,372	2,187	8.5	24,880	24,041	3.5	85.7	85.6
Kansas	1,949	2,278	-14.4	23,720	22,907	3.6	70.0	66.9
Minnesota	2,407	2,612	-7.9	25,511	27,839	-8.4	64.8	68.9
Missouri	4,617	4,395	5.0	48,502	49,748	-2.5	82.2	83.8
Nebraska	1,072	1,313	-18.4	12,658	11,582	9.3	58.5	54.9
North Dakota	2,338	2,488	-6.0	25,097	23,774	5.6	93.5	92.5
South Dakota	274	238	15.1	2,473	2,387	3.6	38.5	34.2
South Atlantic	27,199	32,225	-15.6	321,984	332,004	-3.0	60.3	61.3
Delaware	409	565	-27.6	4,904	5,066	-3.2	69.1	59.9
District of Columbia	-	-	-	-	-	-	-	-
Florida	5,057	5,202	-2.8	59,073	59,418	-.6	47.8	47.8
Georgia	5,267	5,572	-5.5	67,565	63,405	6.6	69.3	68.6
Maryland	1,910	2,101	-9.1	23,299	23,627	-1.4	74.0	66.1
North Carolina	3,570	5,379	-33.6	46,631	50,524	-7.7	58.4	58.0
South Carolina	1,832	2,248	-18.5	22,875	23,800	-3.9	33.0	35.5
Virginia	2,103	2,486	-15.4	21,000	24,059	-12.7	44.5	55.5
West Virginia	7,051	8,672	-18.7	76,636	82,105	-6.7	99.1	99.1
East South Central	15,106	16,911	-10.7	183,436	173,875	5.5	74.3	71.4
Alabama	4,409	5,065	-12.9	53,301	52,612	1.3	69.9	67.8
Kentucky	5,772	6,691	-13.7	70,502	66,214	6.5	95.6	93.6
Mississippi	526	672	-21.7	9,446	8,724	8.3	41.1	41.4
Tennessee	4,399	4,483	-1.9	50,187	46,324	8.3	68.0	62.6
West South Central	16,710	16,361	2.1	180,660	179,374	.7	48.3	49.2
Arkansas	1,997	2,055	-2.8	19,161	18,604	3.0	51.7	55.7
Louisiana	1,679	1,201	39.8	17,521	18,081	-3.1	30.5	33.3
Oklahoma	2,436	2,636	-7.6	25,189	24,122	4.4	55.9	54.3
Texas	10,598	10,468	1.2	118,789	118,566	.2	50.7	51.0
Mountain	16,965	16,911	.3	187,226	184,405	1.5	75.7	78.3
Arizona	2,499	2,817	-11.3	31,636	32,364	-2.3	50.8	60.9
Colorado	2,745	2,710	1.3	29,603	29,406	.7	94.5	91.0
Idaho	-	-	-	-	-	-	-	-
Montana	1,582	1,593	-.7	14,903	16,129	-7.6	57.9	62.5
Nevada	1,601	1,195	34.0	15,057	15,382	-2.1	78.1	78.2
New Mexico	2,194	2,266	-3.2	25,827	25,446	1.5	90.6	89.8
Utah	2,799	2,741	2.1	31,519	29,676	6.2	97.7	97.3
Wyoming	3,545	3,588	-1.2	38,681	36,003	7.4	98.2	98.0
Pacific	1,170	875	33.7	8,760	9,261	-5.4	3.2	3.3
California	-	-	-	-	-	-	-	-
Oregon	333	0	-	1,097	440	149.4	2.2	1.0
Washington	804	844	-4.8	7,352	8,519	-13.7	7.3	9.8
Alaska	33	31	7.5	312	302	3.3	6.9	6.9
Hawaii	-	-	-	-	-	-	-	-
U.S. Total	136,576	147,227	-7.2	1,567,498	1,553,661	.2	55.5	55.8

Notes: Negative generation denotes that electric power consumed for plant use exceeds gross generation. Total may not equal sum of components because of independent rounding.

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 6. Coal Consumption at Electric Utility Plants, December 1990
(Thousand Short Tons)

Census Division and State	December 1990	November 1990	December 1989	Year to Date		
				1990	1989	Percent Change
New England	623	550	613	6,310	6,510	-3.1
Connecticut	86	88	101	963	877	9.9
Massachusetts	404	351	434	4,201	4,474	-6.1
New Hampshire	133	111	78	1,146	1,160	-1.1
Rhode Island	0	0	0	0	0	-
Middle Atlantic	4,590	4,047	5,454	54,197	56,642	-4.3
New Jersey	215	156	266	2,740	3,244	-15.5
New York	839	758	973	9,993	10,158	-1.6
Pennsylvania	3,536	3,136	4,215	41,465	43,241	-4.1
East North Central	15,000	13,237	15,801	171,756	166,437	3.2
Illinois	2,449	1,936	2,993	27,396	25,758	6.4
Indiana	4,026	3,405	4,197	47,654	42,378	12.4
Michigan	2,657	2,363	2,606	29,726	29,972	-.8
Ohio	4,271	4,065	4,370	48,848	50,479	-3.2
Wisconsin	1,597	1,469	1,636	18,133	17,851	1.6
West North Central	9,589	8,125	9,753	102,858	101,213	1.6
Iowa	1,460	1,077	1,360	15,333	14,598	5.0
Kansas	1,233	1,113	1,493	15,018	14,774	1.6
Minnesota	1,579	1,274	1,509	16,326	17,056	-4.3
Missouri	2,337	2,021	2,184	24,231	24,663	-1.8
Nebraska	686	569	826	8,027	7,303	9.9
North Dakota	2,032	1,867	2,154	21,579	20,538	5.1
South Dakota	261	204	226	2,345	2,281	2.8
South Atlantic	10,807	10,311	12,733	128,072	132,285	-3.2
Delaware	174	183	235	2,056	2,128	-3.4
Florida	2,051	1,648	2,085	24,022	24,292	-1.1
Georgia	2,212	2,175	2,228	27,812	25,839	7.6
Maryland	741	758	812	8,945	9,074	-1.4
North Carolina	1,393	1,542	2,095	18,005	19,516	-7.7
South Carolina	705	672	906	9,131	9,472	-3.6
Virginia	814	815	988	8,228	9,573	-14.1
West Virginia	2,717	2,519	3,384	29,873	32,391	-7.8
East South Central	6,424	6,223	7,179	77,585	73,842	5.1
Alabama	1,835	1,788	2,099	22,010	21,884	.6
Kentucky	2,540	2,311	2,940	30,867	29,109	6.0
Mississippi	226	219	267	3,888	3,566	9.0
Tennessee	1,823	1,906	1,872	20,820	19,283	8.0
West South Central	11,541	9,810	11,158	123,871	124,171	-.2
Arkansas	1,225	907	1,240	11,836	11,278	5.0
Louisiana	1,132	955	747	11,748	11,770	-.2
Oklahoma	1,459	1,280	1,556	14,866	14,423	3.1
Texas	7,725	6,668	7,615	85,420	86,701	-1.5
Mountain	9,147	8,179	9,064	100,874	99,670	1.2
Arizona	1,245	1,033	1,385	15,758	16,182	-2.6
Colorado	1,481	1,267	1,434	15,924	15,686	1.5
Montana	998	885	1,012	9,399	10,208	-7.9
Nevada	768	771	569	7,639	7,487	2.0
New Mexico	1,275	1,093	1,284	15,065	15,250	-1.2
Utah	1,215	1,090	1,206	13,563	12,949	4.7
Wyoming	2,165	2,040	2,174	23,526	21,908	7.4
Pacific	773	557	581	5,992	6,118	-2.1
Oregon	216	172	0	850	306	178.0
Washington	529	373	552	4,852	5,514	-12.0
Alaska	28	13	29	290	299	-2.8
U.S. Total	68,493	61,041	72,336	771,515	766,888	.6

Note: Total may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 7. Coal Stocks at Electric Utility Plants, December 1990
(Thousand Short Tons)

Census Division and State	December 31, 1990	November 30, 1990	December 31, 1989	Percent Change December 31: 1990 versus 1989
New England	1,113	1,148	1,058	5.2
Connecticut	140	156	145	-3.7
Massachusetts	597	626	642	-6.9
New Hampshire	348	338	243	43.0
Rhode Island	28	28	28	.0
Middle Atlantic	17,148	17,392	12,934	32.6
New Jersey	740	748	632	17.2
New York	2,045	1,907	1,233	65.9
Pennsylvania	14,363	14,737	11,069	29.8
East North Central	40,740	42,135	34,948	16.6
Illinois	7,398	7,676	8,204	-9.8
Indiana	10,610	10,994	8,043	31.9
Michigan	9,093	9,552	8,185	11.1
Ohio	9,956	9,968	6,607	50.7
Wisconsin	3,683	3,945	3,909	-5.8
West North Central	19,324	20,472	19,356	-.2
Iowa	4,206	4,667	4,044	4.0
Kansas	3,729	3,693	3,266	14.2
Minnesota	2,253	2,437	2,052	9.8
Missouri	4,434	4,813	4,275	3.7
Nebraska	1,589	1,682	1,685	-5.7
North Dakota	2,828	2,885	3,731	-24.2
South Dakota	286	295	303	-5.6
South Atlantic	27,814	27,685	20,493	35.7
Delaware	421	409	259	62.5
Florida	4,822	4,911	4,383	10.0
Georgia	5,473	5,491	5,040	8.6
Maryland	2,114	2,030	1,046	102.1
North Carolina	4,419	4,322	2,795	58.1
South Carolina	2,052	2,005	1,873	9.6
Virginia	1,639	1,515	1,368	19.8
West Virginia	6,874	7,002	3,729	84.3
East South Central	15,876	15,944	11,651	36.3
Alabama	3,869	3,981	3,721	4.0
Kentucky	7,612	7,632	4,299	77.0
Mississippi	799	743	754	5.8
Tennessee	3,596	3,588	2,875	25.1
West South Central	14,565	15,574	16,917	-13.9
Arkansas	1,722	1,469	2,134	-19.3
Louisiana	2,458	2,578	2,627	-6.4
Oklahoma	2,633	2,864	2,826	-6.8
Texas	7,751	8,663	9,329	-16.9
Mountain	16,828	17,788	17,035	-1.2
Arizona	3,090	3,194	3,367	-8.2
Colorado	3,298	3,617	3,921	-15.9
Montana	767	947	813	-5.6
Nevada	1,222	1,298	993	23.1
New Mexico	1,538	1,480	1,403	9.7
Utah	3,697	3,927	3,202	15.5
Wyoming	3,215	3,325	3,337	-3.7
Pacific	1,993	2,029	1,469	35.7
Oregon	675	542	480	40.6
Washington	1,316	1,470	986	33.4
Alaska	2	16	3	-11.8
U.S. Total	155,401	160,166	135,860	14.4

Note: Total may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 8. Coal Receipts at Electric Utility Plants, November 1990
(Thousand Short Tons)

Census Division and State	November 1990	October 1990	November 1989	Year to Date		
				1990	1989	Percent Change
New England	488	512	552	5,760	5,782	-0.4
Connecticut	64	64	109	878	816	7.6
Massachusetts	305	339	329	3,754	3,982	-5.7
New Hampshire	118	109	114	1,127	983	14.6
Middle Atlantic	4,267	4,982	4,984	53,888	51,486	4.7
New Jersey	202	196	296	2,627	3,077	-14.6
New York	831	948	918	9,614	9,112	5.5
Pennsylvania	3,234	3,839	3,771	41,647	39,297	6.0
East North Central	14,997	15,812	14,627	161,134	148,464	8.5
Illinois	2,209	2,411	2,256	24,316	22,992	5.8
Indiana	3,995	4,238	4,101	45,542	36,868	23.5
Michigan	2,712	3,298	2,815	27,403	26,971	1.6
Ohio	4,490	4,290	4,067	47,377	45,316	4.5
Wisconsin	1,592	1,575	1,387	16,495	16,317	1.1
West North Central	9,036	8,796	8,940	94,929	92,914	2.2
Iowa	1,442	1,555	1,285	14,623	13,447	8.8
Kansas	1,336	1,413	1,291	14,475	13,681	5.8
Minnesota	1,457	1,521	1,451	15,215	14,824	2.6
Missouri	2,261	2,099	2,219	22,417	23,112	-3.0
Nebraska	578	504	649	7,393	6,720	10.0
North Dakota	1,757	1,591	1,855	18,953	19,280	-1.7
South Dakota	205	114	191	1,852	1,850	.1
South Atlantic	11,055	12,010	11,295	124,185	118,796	4.5
Delaware	234	203	235	2,031	1,770	14.8
Florida	2,041	1,983	1,992	22,429	21,487	4.4
Georgia	2,315	2,450	2,303	25,751	23,598	9.1
Maryland	779	784	629	9,209	7,876	16.9
North Carolina	1,593	2,014	1,614	18,134	17,080	6.2
South Carolina	760	842	794	8,627	9,158	-5.8
Virginia	813	856	886	7,551	9,106	-17.1
West Virginia	2,519	2,877	2,842	30,453	28,720	6.0
East South Central	6,868	7,269	6,421	76,605	68,054	12.6
Alabama	1,906	2,093	1,947	20,547	19,658	4.5
Kentucky	2,690	2,888	2,625	32,655	28,293	15.4
Mississippi	308	361	259	3,638	3,229	12.7
Tennessee	1,965	1,926	1,590	19,765	16,874	17.1
West South Central	10,025	10,131	9,832	110,564	112,058	-1.3
Arkansas	1,184	933	890	9,984	10,594	-5.8
Louisiana	1,144	1,111	953	10,577	10,814	-2.2
Oklahoma	1,248	1,083	1,221	13,242	13,354	-.8
Texas	6,449	7,005	6,768	76,760	77,295	-.7
Mountain	8,103	9,052	8,447	91,615	90,028	1.8
Arizona	1,291	1,512	1,239	14,339	14,052	2.0
Colorado	1,213	1,262	1,234	14,058	14,351	-2.0
Montana	946	962	933	8,556	9,257	-7.6
Nevada	605	560	486	6,786	6,430	5.5
New Mexico	1,086	1,350	1,278	13,930	13,881	.4
Utah	924	1,356	1,163	13,004	12,385	5.0
Wyoming	2,058	2,052	2,114	20,942	19,671	6.5
Pacific	562	594	472	5,493	5,122	7.2
Oregon	192	224	-	819	-	-
Washington	370	370	472	4,674	5,122	-8.7
U.S. Total	65,401	69,159	65,570	724,172	692,701	4.5

Note: Total may not equal sum of components because of independent rounding.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 9. Quality and Price of Coal Receipts at Electric Utility Plants, November 1990

Census Division and State	November 1990		November 1989		Year to Date					
					1990		1989		Percent Change	
	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu
New England	0.87	185	0.98	175	0.96	180	0.97	170	-0.3	6.2
Connecticut	.39	226	.41	211	.41	213	.40	214	1.5	-.3
Massachusetts	.85	179	1.02	161	.95	173	.95	160	.6	8.4
New Hampshire	1.17	178	1.38	179	1.43	178	1.51	172	-5.5	3.1
Mid Atlantic	1.70	157	1.56	150	1.66	155	1.57	149	5.8	4.3
New Jersey	.97	180	.93	179	.86	180	.87	175	-1.3	2.5
New York	1.44	159	1.28	158	1.43	161	1.32	157	8.3	2.5
Pennsylvania	1.82	154	1.69	146	1.77	152	1.68	144	4.9	5.2
East North Central	1.66	148	1.61	153	1.65	151	1.66	154	-.6	-2.1
Illinois	1.89	175	1.92	179	1.91	176	1.87	182	2.0	-3.3
Indiana	2.02	129	1.82	133	1.94	137	2.09	136	-7.1	.4
Michigan	.60	153	.60	165	.63	160	.59	172	6.9	-6.9
Ohio	2.09	152	2.14	153	2.06	151	2.08	148	-1.1	2.1
Wisconsin	.90	134	.83	144	.85	136	.89	145	-4.4	-5.7
West North Central	1.10	109	1.22	111	1.11	114	1.16	115	-4.2	-.9
Iowa	.70	103	.83	119	.81	113	.89	123	-9.5	-7.8
Kansas	.49	122	.76	126	.67	125	.72	124	-6.4	.6
Minnesota	.63	114	.56	111	.58	126	.59	121	-1.3	4.5
Missouri	1.93	132	2.22	131	1.94	136	2.03	135	-4.3	1.1
Nebraska	.39	70	.41	72	.41	76	.42	84	-.5	-9.9
North Dakota	1.27	67	1.16	68	1.23	68	1.10	69	11.0	-1.2
South Dakota	1.35	110	1.46	123	1.48	115	1.45	124	1.9	-7.7
South Atlantic	1.19	170	1.21	166	1.23	168	1.20	165	1.8	1.8
Delaware	.76	180	.86	176	.74	182	.81	179	-8.5	1.8
Florida	1.35	185	1.36	178	1.41	185	1.42	179	-1.0	3.5
Georgia	1.32	179	1.42	175	1.37	174	1.38	175	-.7	-.6
Maryland	1.18	165	1.24	164	1.13	165	1.12	161	1.3	2.4
North Carolina	.77	176	.72	180	.76	178	.73	177	3.9	.8
South Carolina	.95	176	.86	168	.94	172	.89	171	6.1	.9
Virginia	.79	153	.78	160	.76	155	.74	154	2.6	.1
West Virginia	1.48	149	1.48	144	1.52	147	1.49	142	2.0	3.6
East South Central	1.73	142	1.86	145	1.78	144	1.85	143	-3.9	.5
Alabama	1.24	182	1.30	189	1.25	185	1.37	187	-9.1	-.8
Kentucky	2.18	119	2.44	115	2.25	119	2.39	113	-5.8	5.1
Mississippi	1.28	168	1.26	163	1.32	165	1.22	167	7.7	-1.5
Tennessee	1.70	128	1.73	136	1.67	135	1.67	134	.1	.7
West South Central	.81	152	.84	145	.84	149	.81	148	3.5	.8
Arkansas	.38	157	.39	167	.39	162	.39	163	-.1	-.3
Louisiana	.57	170	.54	163	.60	170	.58	162	3.1	4.5
Oklahoma	.47	147	.55	130	.53	140	.51	137	4.6	2.4
Texas	1.03	148	1.03	142	1.01	146	.98	146	3.3	.2
Mountain	.56	116	.56	111	.56	114	.56	112	.2	1.7
Arizona	.47	134	.48	134	.47	143	.46	137	.7	4.7
Colorado	.37	105	.39	104	.39	107	.38	107	2.2	.2
Montana	.72	78	.71	72	.74	66	.78	58	-5.8	15.1
Nevada	.51	153	.46	187	.48	151	.47	150	2.0	.9
New Mexico	.90	144	.85	124	.87	132	.87	124	.4	6.3
Utah	.40	140	.48	119	.43	116	.43	124	.9	-6.1
Wyoming	.60	83	.57	80	.61	83	.59	85	2.3	-1.2
Pacific	.65	136	.72	160	.79	150	.81	156	-2.2	-3.3
Oregon	.38	105	-	-	.37	108	-	-	-	-
Washington	.79	153	.72	160	.87	158	.81	158	7.0	1.5
U.S. Total	1.27	145	1.28	144	1.29	146	1.28	145	1.0	.7

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 10. Quality and Price of Contract Coal Receipts at Electric Utility Plants, November 1990

Census Division and State	November 1990		November 1989		Year to Date					
					1990		1989		Percent Change	
	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu
New England	0.93	185	0.96	174	0.97	180	0.86	170	13.1	6.0
Connecticut	.39	226	.41	211	.40	215	.40	218	1.7	-1.2
Massachusetts	.95	175	1.01	158	.98	170	.95	158	3.0	7.5
New Hampshire	1.17	178	1.61	168	1.46	177	1.49	170	-2.6	3.9
Mid Atlantic	1.74	160	1.64	155	1.73	158	1.64	154	5.2	2.7
New Jersey	.98	181	.95	178	.87	179	.91	176	-5.0	1.7
New York	1.37	160	1.25	161	1.43	162	1.29	162	11.1	-.6
Pennsylvania	1.88	159	1.80	151	1.85	156	1.78	150	4.3	3.7
East North Central	1.70	157	1.65	162	1.70	159	1.68	164	.8	-2.7
Illinois	1.96	183	2.00	182	1.97	184	1.92	187	2.9	-1.6
Indiana	2.02	132	1.90	140	1.97	140	2.14	143	-7.8	-1.5
Michigan	.57	158	.56	171	.61	164	.58	178	4.7	-7.5
Ohio	2.24	172	2.18	170	2.18	167	2.19	165	-.2	1.1
Wisconsin	.92	140	.88	143	.93	142	.92	145	1.2	-1.8
West North Central	1.15	111	1.26	113	1.12	116	1.15	116	-2.8	-.7
Iowa	.85	117	.68	135	.89	123	.79	130	12.1	-5.2
Kansas	.47	131	.71	126	.45	127	.60	126	-24.7	.9
Minnesota	.62	115	.54	110	.56	127	.58	121	-2.2	5.0
Missouri	1.99	133	2.35	135	2.05	139	2.09	137	-2.0	1.3
Nebraska	.39	71	.40	76	.41	78	.42	87	-2.9	-10.6
North Dakota	1.27	67	1.16	68	1.23	68	1.11	70	10.9	-1.7
South Dakota	1.35	110	1.46	123	1.49	115	1.45	124	2.5	-7.7
South Atlantic	1.23	178	1.20	175	1.24	176	1.21	174	2.9	1.2
Delaware	.70	185	.79	183	.72	184	.79	181	-8.4	1.5
Florida	1.28	194	1.29	189	1.34	193	1.30	189	2.4	2.1
Georgia	1.50	190	1.45	181	1.46	182	1.43	182	1.7	*
Maryland	1.18	164	1.22	166	1.14	166	1.17	163	-3.0	1.7
North Carolina	.75	186	.72	185	.76	184	.73	181	3.6	1.3
South Carolina	.96	181	.82	177	.94	178	.89	179	6.2	-.7
Virginia	.79	156	.74	156	.78	157	.74	154	5.5	2.1
West Virginia	1.57	160	1.47	158	1.58	158	1.51	155	4.7	1.9
East South Central	1.85	147	1.89	155	1.87	151	1.86	155	.2	-2.7
Alabama	1.20	197	1.14	209	1.13	202	1.24	202	-9.1	.2
Kentucky	2.49	120	2.72	119	2.59	120	2.70	121	-4.2	-.2
Mississippi	1.08	174	1.05	170	1.11	171	1.08	175	2.6	-2.3
Tennessee	1.79	130	1.76	140	1.73	138	1.72	139	.3	-.2
West South Central	.82	152	.86	147	.85	150	.81	146	5.2	2.8
Arkansas	.38	157	.39	167	.39	162	.39	163	-.1	-.3
Louisiana	.57	170	.54	163	.60	170	.58	163	4.1	4.1
Oklahoma	.45	147	.47	134	.51	142	.48	138	6.6	2.7
Texas	1.06	149	1.07	143	1.03	146	.99	142	4.0	3.5
Mountain	.57	119	.57	112	.57	116	.57	113	.2	2.4
Arizona	.47	134	.48	134	.47	143	.48	137	.6	4.7
Colorado	.38	110	.39	104	.39	108	.38	108	3.3	.4
Montana	.72	78	.71	72	.74	66	.78	58	-5.8	15.1
Nevada	.51	153	.46	187	.48	151	.47	150	1.9	.9
New Mexico	.90	144	.85	124	.87	132	.87	124	.4	6.3
Utah	.39	145	.48	121	.43	118	.42	126	.7	-6.4
Wyoming	.62	86	.59	82	.63	86	.62	87	2.0	-.5
Pacific	.85	138	.78	166	.83	152	.87	162	-5.4	-5.9
Oregon	.38	105	-	-	.37	108	-	-	-	-
Washington	.79	153	.78	166	.91	161	.87	162	4.7	-.6
U.S. Total	1.29	149	1.28	148	1.29	150	1.25	149	2.8	.6

* For percentage calculations, the absolute value of the number is less than 0.05 percent.
Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 11. Quality and Price of Spot Coal Receipts at Electric Utility Plants, November 1990

Census Division and State	November 1990		November 1989		Year to Date					
					1990		1989		Percent Change	
	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu	Lbs. sulfur per MM Btu	Cents per MM Btu
New England	0.69	186	1.02	180	0.93	181	1.18	170	-21.2	6.9
Connecticut	-	-	-	-	.42	192	.42	180	.5	6.5
Massachusetts	.69	186	1.07	169	.90	180	.94	166	-4.3	8.9
New Hampshire	-	-	.93	201	1.32	181	1.52	173	-13.0	5.0
Mid Atlantic	1.51	142	1.36	139	1.42	145	1.37	134	4.2	7.5
New Jersey	.94	175	.84	184	.82	188	.74	174	10.1	7.7
New York	1.56	158	1.32	152	1.44	160	1.39	147	3.5	8.7
Pennsylvania	1.51	132	1.40	131	1.44	137	1.41	127	2.4	8.2
East North Central	1.55	122	1.48	128	1.50	125	1.59	121	-5.2	3.4
Illinois	1.57	134	1.13	152	1.57	131	1.42	126	11.0	3.8
Indiana	2.04	117	1.57	113	1.82	118	1.92	110	-5.5	7.7
Michigan	.68	137	.69	152	.72	146	.64	147	12.5	-1.0
Ohio	1.84	118	2.06	116	1.80	122	1.85	115	-2.7	5.9
Wisconsin	.43	113	.46	159	.60	118	.69	144	-13.6	-18.1
West North Central	.88	97	1.03	99	1.09	106	1.26	106	-13.0	.1
Iowa	.48	81	.99	102	.64	91	1.18	102	-45.4	-10.7
Kansas	.60	86	2.11	123	1.64	113	1.49	109	10.2	3.9
Minnesota	.80	106	.70	113	.82	114	.78	116	5.4	-1.5
Missouri	1.67	126	1.51	110	1.49	126	1.63	120	-8.3	4.6
Nebraska	.37	70	.43	67	.43	68	.39	68	10.2	-.2
North Dakota	-	-	-	-	-	-	1.00	48	-	-
South Dakota	-	-	-	-	.41	114	-	-	-	-
South Atlantic	1.08	144	1.25	144	1.17	144	1.20	141	-1.9	1.6
Delaware	.93	165	1.00	162	.78	177	.93	162	-16.5	9.6
Florida	1.61	148	1.62	142	1.71	149	1.81	143	-5.3	4.1
Georgia	.90	156	1.35	157	1.15	153	1.23	153	-6.4	-.3
Maryland	1.17	165	1.27	156	1.11	162	.99	156	11.9	3.8
North Carolina	.82	143	.75	159	.77	150	.74	153	5.1	-2.2
South Carolina	.91	157	.92	157	.93	157	.88	156	5.6	.3
Virginia	.81	146	.83	166	.72	150	.74	155	-3.0	-3.4
West Virginia	1.23	116	1.52	109	1.33	114	1.43	106	-7.2	7.6
East South Central	1.33	123	1.77	119	1.51	122	1.82	110	-17.1	10.9
Alabama	1.36	126	1.68	139	1.66	127	1.93	124	-13.9	2.5
Kentucky	1.15	118	1.86	106	1.40	116	1.89	102	-25.9	14.1
Mississippi	2.17	142	2.14	133	2.00	146	1.83	137	9.4	7.1
Tennessee	1.41	124	1.61	117	1.46	123	1.44	114	1.6	7.9
West South Central	.51	136	.58	118	.55	127	.83	172	-34.0	-26.1
Louisiana	-	-	-	-	-	-	.87	131	-	-
Oklahoma	.86	145	.87	112	.69	123	.75	122	-7.8	.7
Texas	.42	133	.38	123	.45	130	.85	185	-46.6	-30.0
Mountain	.41	83	.43	91	.45	88	.41	89	9.7	-.4
Arizona	-	-	-	-	.64	145	-	-	-	-
Colorado	.34	91	.42	103	.37	99	.38	98	-3.5	.4
Nevada	-	-	-	-	.62	149	-	-	-	-
Utah	.44	104	.47	105	.47	105	.47	104	.1	.3
Wyoming	.48	65	.38	59	.50	67	.38	62	29.3	7.7
Pacific	-	-	.39	127	.36	128	.45	120	-20.9	6.3
Washington	-	-	.39	127	.36	128	.45	120	-20.9	6.3
U.S. Total	1.23	126	1.32	129	1.29	129	1.37	128	-6.0	.7

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 12. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, November 1990

State	0-0.60 lbs sulfur per MM Btu		0.61-1.67 lbs sulfur per MM Btu		> 1.67 lbs. sulfur per MM Btu		Total			Percent Change vs prior year		
	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Lbs. sulfur per MM Btu	Quantity	Price	Sulfur Content
Alabama	348	261	755	184	313	163	1,416	199	1.12	-2.6	-0.3	-1.0
Arizona	1,086	107	-	-	-	-	1,086	107	.48	25.3	-6.8	5.9
Colorado	1,326	149	-	-	-	-	1,326	149	.37	1.4	-.3	-8.3
Illinois	-	-	846	145	3,736	155	4,582	153	2.43	4.2	-1.6	1.4
Indiana	54	151	181	138	2,255	127	2,490	128	2.31	1.0	5.1	.5
Iowa	-	-	-	-	6	164	6	164	2.95	20.0	3.1	-13.8
Kansas	-	-	-	-	49	125	49	125	2.74	-48.9	-9.3	-36.7
Kentucky	1,333	164	5,564	164	3,617	127	10,514	152	1.47	-1.4	-2.3	-.5
Louisiana	-	-	263	135	-	-	263	135	.85	-18.1	8.7	18.4
Maryland	-	-	224	147	-	-	224	147	1.31	-1.5	-1.5	1.1
Missouri	-	-	-	-	190	145	190	145	3.98	-46.3	21.2	-17.8
Montana	1,604	163	2,005	105	-	-	3,609	132	.58	13.4	3.0	4.2
New Mexico	355	186	1,213	152	-	-	1,568	160	.77	-12.4	12.4	1.3
North Dakota	-	-	1,641	76	321	46	1,962	71	1.26	-4.1	-2.5	7.5
Ohio	1	177	87	142	2,497	151	2,585	151	2.88	-4.3	-6.4	.9
Oklahoma	35	153	24	148	3	113	63	149	.90	-41.4	4.7	-44.4
Pennsylvania	97	164	2,393	160	1,315	150	3,805	157	1.51	-10.2	5.2	8.1
Tennessee	14	147	197	140	58	124	270	137	1.17	-33.9	-6.4	7.0
Texas	-	-	2,865	115	854	109	3,719	113	1.63	-5.9	8.1	.2
Utah	990	137	-	-	-	-	990	137	.41	-18.0	17.8	-16.3
Virginia	308	188	1,032	164	-	-	1,340	170	.88	-.7	-.5	-.6
Washington	-	-	370	153	-	-	370	153	.79	-8.6	-7.5	1.8
West Virginia	2,081	170	3,167	161	2,018	143	7,266	158	1.28	-2.0	1.4	2.8
Wyoming	14,461	133	1,108	101	-	-	15,569	130	.44	7.3	.3	2.1
Imported	97	174	41	180	-	-	139	176	.52	26.9	2.5	-9.2
U.S. Total	24,192	146	23,978	148	17,232	140	65,401	145	1.27	-.3	.4	-.8

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 13. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, January-November 1990

State	0-0.60 lbs sulfur per MM Btu		0.61-1.67 lbs sulfur per MM Btu		> 1.67 lbs. sulfur per MM Btu		Total			Percent Change vs prior year		
	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Quantity (thousand short tons)	Cents per MM Btu	Lbs. sulfur per MM Btu	Quantity	Price	Sulfur Content
Alabama	3,913	260	7,422	187	3,943	180	15,278	204	1.11	11.4	1.6	-1.2
Arizona	10,391	108	-	-	-	-	10,391	108	.46	-4.9	2.5	.7
Colorado	13,979	143	150	218	-	-	14,129	144	.39	10.4	1.8	1.9
Illinois	-	-	9,344	163	40,665	155	50,009	157	2.42	-.1	-.3	3.0
Indiana	571	151	2,662	128	25,515	128	28,748	128	2.30	15.3	1.7	-.3
Iowa	-	-	-	-	60	163	60	163	3.32	39.5	7.2	-7.7
Kansas	-	-	-	-	617	123	617	123	2.59	-15.9	-5.9	-30.2
Kentucky	15,517	188	63,917	168	39,814	126	119,247	154	1.49	7.1	.1	.9
Louisiana	-	-	2,982	133	-	-	2,982	133	.80	7.7	4.6	.9
Maryland	-	-	2,633	154	58	128	2,691	153	1.28	24.8	4.5	-2.2
Missouri	-	-	-	-	2,217	164	2,217	164	3.95	-23.3	25.7	-7.7
Montana	14,002	177	18,709	106	-	-	32,711	139	.58	-1.4	3.3	-3.6
New Mexico	5,481	185	15,483	138	-	-	20,964	151	.74	3.1	5.2	.2
North Dakota	-	-	19,100	73	1,695	66	20,795	72	1.25	-1.6	-2.1	10.1
Ohio	28	155	1,488	143	26,335	150	27,851	149	2.85	-.6	-4.3	1.9
Oklahoma	483	148	454	145	213	112	1,150	139	1.29	13.1	-.8	-26.9
Pennsylvania	1,696	172	31,451	155	13,708	152	46,856	154	1.47	7.0	4.5	4.3
Tennessee	284	141	3,201	149	818	132	4,303	145	1.14	.1	2.5	7.0
Texas	-	-	29,924	107	14,902	111	44,827	108	1.57	2.1	3.2	.4
Utah	13,210	116	906	152	-	-	14,116	118	.44	4.3	-5.9	.1
Virginia	3,167	184	12,744	165	23	157	15,933	169	.88	-3.6	1.4	-.8
Washington	-	-	4,326	161	-	-	4,326	161	.91	-4.2	.4	5.0
West Virginia	21,182	170	36,863	160	23,131	143	81,176	158	1.31	5.4	3.2	2.4
Wyoming	151,107	136	10,466	99	9	136	161,582	133	.44	6.2	-3.1	.1
Imported	448	169	762	178	-	-	1,210	175	.60	13.2	-1.8	7.5
U.S. Total	255,459	147	274,989	149	193,724	141	724,172	146	1.29	4.5	.7	1.0

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 14. Destination of Coal Received at Electric Utility Plants by Origin, January-November 1990

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
abama	20,547	19,658	76.8	80.4	1.25	1.37	185	187
Alabama	15,044	13,501	92.5	92.6	1.10	1.11	205	202
Illinois	418	795	-	3.2	2.03	1.98	112	110
Indiana	459	330	-	-	2.05	2.93	117	106
Kentucky	3,091	1,967	40.7	39.6	1.94	2.34	135	124
Ohio	544	2,287	95.4	100.0	2.00	1.99	117	209
Tennessee	739	685	11.6	26.9	.66	.62	125	126
West Virginia	36	93	17.7	39.2	.66	.64	142	156
Wyoming	216	-	-	-	.44	-	170	-
rizona	14,339	14,052	99.9	100.0	.47	.46	143	137
Arizona	6,678	7,076	100.0	100.0	.44	.44	100	97
Colorado	910	578	100.0	100.0	.33	.34	174	172
New Mexico	6,751	6,399	99.7	100.0	.52	.50	187	182
rkansas	9,984	10,594	100.0	100.0	.39	.39	162	163
Wyoming	9,984	10,594	100.0	100.0	.39	.39	162	163
olorado	14,058	14,351	84.4	87.4	.39	.38	107	107
Colorado	9,149	9,236	76.0	83.0	.39	.38	107	109
New Mexico	-	32	-	-	-	.42	-	130
Wyoming	4,909	5,083	100.0	95.9	.39	.37	105	100
onnecticut	878	816	91.2	89.6	.41	.40	213	214
Kentucky	878	790	91.2	92.5	.41	.40	213	215
West Virginia	-	26	-	-	-	.49	-	185
elaware	2,031	1,770	75.8	89.0	.74	.81	182	179
Kentucky	117	24	14.2	75.0	.52	.61	194	177
Maryland	21	7	100.0	100.0	1.11	1.16	141	139
Pennsylvania	344	435	34.9	75.5	1.04	1.17	163	164
Virginia	227	61	51.7	100.0	.71	.65	195	200
West Virginia	1,322	1,242	95.6	93.4	.68	.69	184	183
orida	22,429	21,487	81.1	76.9	1.41	1.42	185	179
Alabama	-	13	-	-	-	2.55	-	114
Illinois	3,879	3,779	98.1	99.3	2.41	2.38	209	198
Indiana	410	496	-	15.5	2.85	2.99	108	129
Kentucky	14,218	13,810	77.8	69.4	1.29	1.28	178	172
Tennessee	115	78	100.0	100.0	.86	.79	215	215
Virginia	902	783	90.0	97.8	.58	.58	236	232
West Virginia	1,985	1,826	87.3	90.0	.89	.94	184	182
Imported coal Colombia	880	685	74.3	94.1	.61	.61	171	173
Imported coal Venezuela	40	37	-	-	.63	.36	171	141
eorgia	25,751	23,598	71.4	75.5	1.37	1.38	174	175
Alabama	234	198	10.0	-	1.67	1.64	155	152
Illinois	4,512	4,775	95.8	99.4	2.53	2.29	179	184
Kentucky	13,459	13,125	72.2	67.9	1.29	1.28	169	166
Montana	-	54	-	-	-	.34	-	181
Ohio	46	-	-	-	2.28	-	142	-
Tennessee	1,219	1,008	50.8	77.6	1.11	.81	182	199
Virginia	3,085	3,046	74.2	69.7	1.06	1.10	174	171
West Virginia	1,345	1,262	100.0	100.0	.56	.53	247	243
Wyoming	1,850	108	3.2	-	.36	.39	142	146
Imported coal Colombia	-	23	-	-	-	.54	-	173
inois	24,316	22,992	85.4	91.8	1.91	1.87	178	182
Colorado	11	39	-	-	.40	.41	156	180
Illinois	14,283	13,462	90.1	95.7	2.72	2.69	146	151
Indiana	1,785	1,832	73.8	68.1	1.57	1.37	126	126
Kentucky	2,020	1,444	43.2	67.2	.82	.64	156	163
Montana	2,567	2,630	100.0	99.5	.39	.38	289	283
New Mexico	222	20	50.0	-	.45	.46	166	182
Tennessee	125	-	100.0	-	.57	-	169	-
Virginia	-	6	-	-	-	.59	-	185
West Virginia	211	260	25.5	54.6	.52	.52	156	169
Wyoming	3,093	3,299	92.1	98.7	.44	.46	289	292
diana	45,542	36,868	82.6	79.5	1.94	2.09	137	136
Colorado	528	189	98.1	74.8	.38	.39	300	302
Illinois	8,991	8,248	85.9	87.4	2.43	2.39	157	160
Indiana	19,772	17,286	80.0	80.3	2.41	2.46	125	122
Kentucky	4,254	3,831	91.1	79.6	2.44	2.42	130	126
Montana	574	286	58.7	61.8	.39	.35	232	235
Ohio	49	10	-	-	2.27	1.93	126	129
Virginia	56	-	-	-	.58	-	164	-
West Virginia	370	268	57.5	51.6	.55	.77	198	186
Wyoming	10,948	6,759	83.5	69.6	.39	.44	128	142

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Table 14. Destination of Coal Received at Electric Utility Plants by Origin, January-November 1990 (Continued)

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
Iowa	14,623	13,447	67.9	74.2	0.81	0.89	113	123
Illinois	1,158	1,722	91.6	62.0	2.48	2.54	168	144
Indiana	1,042	708	70.4	43.1	2.24	2.16	135	131
Iowa	60	43	100.0	100.0	3.32	3.60	163	152
Kentucky	29	75	-	-	2.75	2.35	133	127
Wyoming	12,335	10,898	65.5	78.5	.43	.42	104	117
Kansas	14,475	13,661	84.1	88.8	.67	.72	125	124
Colorado	178	-	94.2	-	.33	-	118	-
Illinois	1,213	559	18.6	29.5	2.51	2.63	148	146
Kansas	237	636	-	59.0	2.42	3.88	121	130
Wyoming	12,847	12,466	91.7	92.9	.41	.41	122	122
Kentucky	32,655	28,293	72.4	62.3	2.25	2.39	119	113
Illinois	91	9	88.6	-	1.59	1.72	135	116
Indiana	2,365	1,927	64.2	47.2	2.40	2.22	111	104
Kentucky	26,296	23,487	76.2	66.1	2.44	2.58	118	114
Ohio	244	118	53.3	54.3	2.41	2.21	145	131
Pennsylvania	12	18	12.4	49.4	2.05	1.98	113	127
Tennessee	567	499	85.8	27.1	2.08	2.08	120	105
Virginia	60	-	100.0	-	.58	-	158	-
West Virginia	2,807	2,213	41.5	45.1	.62	.66	129	117
Wyoming	213	22	65.2	-	.40	.37	123	124
Louisiana	10,577	10,814	100.0	97.7	.60	.58	170	162
Louisiana	2,982	2,770	100.0	91.0	.80	.79	133	127
West Virginia	200	161	100.0	100.0	.51	.50	206	202
Wyoming	7,395	7,884	100.0	100.0	.54	.52	180	171
Maryland	9,209	7,876	70.7	68.0	1.13	1.12	165	161
Kentucky	397	666	79.3	85.0	.56	.59	160	166
Maryland	1,561	1,297	45.5	54.4	1.24	1.25	171	165
Ohio	7	-	-	-	1.78	-	166	-
Pennsylvania	2,372	2,227	90.8	95.6	1.48	1.51	179	170
Virginia	21	-	-	-	.47	-	179	-
West Virginia	4,850	3,438	68.7	57.0	.98	.97	156	150
Imported coal Colombia	-	247	-	-	-	.47	-	195
Massachusetts	3,754	3,982	88.0	76.3	.95	.95	173	160
Kentucky	49	23	-	-	.75	.69	180	138
Maryland	40	-	-	-	.75	-	185	-
Pennsylvania	844	839	27.2	17.3	1.08	1.08	174	164
Virginia	1,299	1,562	89.9	100.0	.93	.91	175	162
West Virginia	1,348	1,523	85.9	87.4	.96	.93	168	155
Imported coal Colombia	105	35	-	-	.56	.48	190	196
Imported coal Venezuela	70	-	-	-	.48	-	181	-
Michigan	27,403	26,971	78.7	81.8	.63	.59	160	172
Indiana	148	149	59.3	58.6	2.47	2.31	159	155
Kentucky	6,668	6,773	71.5	84.8	.74	.65	177	194
Montana	10,655	10,718	96.3	94.5	.37	.38	149	153
Ohio	178	217	80.3	67.6	2.77	2.48	190	179
Pennsylvania	1,790	1,617	71.1	71.6	1.13	.99	158	172
Virginia	113	527	100.0	100.0	1.09	.92	186	176
West Virginia	5,710	5,846	74.9	72.9	.67	.59	170	180
Wyoming	2,142	1,123	30.2	-	.34	.35	110	118
Minnesota	15,215	14,824	93.5	94.3	.58	.59	126	121
Illinois	47	52	100.0	100.0	1.32	1.35	179	195
Indiana	69	68	12.5	-	1.79	1.64	156	138
Kentucky	8	1	56.6	-	.91	.59	189	198
Montana	8,560	8,221	89.6	90.9	.77	.79	133	127
North Dakota	1	-	100.0	-	.87	-	174	-
Pennsylvania	3	-	100.0	-	1.02	-	176	-
West Virginia	2	-	100.0	-	.95	-	169	-
Wyoming	6,525	6,481	99.3	99.7	.31	.31	117	112
Mississippi	3,638	3,229	75.8	80.5	1.32	1.22	165	167
Illinois	1,051	1,029	89.7	84.9	2.03	1.99	151	147
Indiana	23	-	-	-	4.17	-	126	-
Kentucky	2,563	2,173	70.8	79.5	1.00	.86	171	177
West Virginia	-	27	-	-	-	1.30	-	143
Missouri	22,417	23,112	79.7	86.1	1.94	2.03	136	135
Colorado	244	62	100.0	14.5	.40	.33	160	187
Illinois	11,393	12,883	85.2	88.7	2.23	2.15	151	151
Indiana	115	55	100.0	49.1	2.90	1.09	122	123
Kansas	380	97	7.9	30.3	2.70	2.78	124	133

See footnotes at end of table.

Table 14. Destination of Coal Received at Electric Utility Plants by Origin, January-November 1990 (Continued)

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
Missouri								
Kentucky	1,003	231	97.7	97.4	2.57	2.75	123	125
Missouri	2,217	2,889	97.5	98.9	3.95	4.28	164	130
New Mexico	18	-	-	-	.34	-	135	-
Ohio	24	-	-	-	2.10	-	171	-
Oklahoma	36	291	100.0	63.1	3.64	3.28	138	136
Utah	-	48	-	-	-	.40	-	183
Wyoming	6,987	6,555	65.8	76.3	.43	.43	97	96
Montana	8,555	9,257	100.0	100.0	.74	.78	66	58
Montana	8,555	9,257	100.0	100.0	.74	.78	66	58
Nebraska	7,393	6,720	76.1	82.0	.41	.42	76	84
Colorado	-	80	-	100.0	-	.45	-	192
Montana	-	*	-	-	-	.36	-	23
Wyoming	7,393	6,640	76.1	81.8	.41	.42	76	82
Nevada	6,786	6,430	99.9	100.0	.48	.47	151	150
Arizona	3,712	3,851	100.0	100.0	.49	.47	123	121
Utah	2,530	2,126	99.7	100.0	.47	.46	181	190
Wyoming	544	454	100.0	100.0	.45	.48	203	199
New Hampshire	1,127	983	82.2	12.6	1.43	1.51	178	172
Kentucky	17	-	-	-	.68	-	201	-
Ohio	-	16	-	-	-	2.39	-	183
Pennsylvania	196	195	100.0	20.3	1.03	1.00	178	174
Virginia	-	35	-	-	-	.92	-	219
West Virginia	799	737	81.2	11.4	1.67	1.66	176	169
Imported coal Canada	34	-	-	-	.97	-	181	-
Imported coal Venezuela	81	-	100.0	-	.39	-	189	-
New Jersey	2,627	3,077	88.2	76.5	.86	.87	180	175
Kentucky	31	56	-	-	.62	.58	190	179
Ohio	14	-	-	-	1.66	-	203	-
Pennsylvania	26	34	-	-	.95	1.09	189	181
Virginia	911	1,058	97.8	79.9	.58	.61	178	173
West Virginia	1,644	1,889	86.6	79.8	1.03	1.05	181	177
Imported coal Colombia	-	12	-	-	-	.43	-	176
Imported coal Venezuela	-	29	-	-	-	.39	-	188
New Mexico	13,930	13,881	100.0	100.0	.87	.87	132	124
New Mexico	13,930	13,881	100.0	100.0	.87	.87	132	124
New York	9,614	9,112	66.9	64.0	1.43	1.32	161	157
Kentucky	577	508	93.4	100.0	.39	.39	210	200
Maryland	23	-	-	-	1.33	-	169	-
Ohio	52	28	-	-	1.46	1.72	161	155
Pennsylvania	4,968	5,449	47.6	44.1	1.46	1.35	156	149
West Virginia	3,995	3,127	88.3	93.4	1.56	1.44	160	164
North Carolina	18,134	17,080	83.8	84.1	.78	.73	178	177
Kentucky	9,020	8,532	80.0	81.3	.78	.74	183	180
Tennessee	-	166	-	100.0	-	1.08	-	187
Virginia	4,029	3,978	97.2	92.2	.85	.80	168	171
West Virginia	5,084	4,403	79.8	81.8	.65	.62	177	174
North Dakota	18,953	19,280	100.0	98.4	1.23	1.10	68	69
North Dakota	18,953	19,280	100.0	98.4	1.23	1.10	68	69
Ohio	47,377	45,316	66.2	66.9	2.06	2.08	151	148
Illinois	24	-	-	-	2.57	-	117	-
	62	70	-	-	2.90	2.57	109	100
	8,984	8,466	47.4	55.5	.99	1.09	156	153
	23,411	22,424	69.9	70.4	2.81	2.82	153	153
ia	3,034	2,792	59.0	53.6	1.72	1.72	140	134
	-	33	-	-	-	1.05	-	184
	11,862	11,532	75.5	72.3	1.49	1.48	148	139
	13,242	13,354	89.9	90.6	.53	.51	140	137
	1,114	726	44.3	20.0	1.21	1.17	139	142
	12,128	12,629	94.1	94.7	.45	.45	140	136
	819	-	100.0	-	.37	-	108	-
			100.0	-	.37	-	108	-
			78.3	74.5	1.77	1.68	152	144
			100.0	-	1.06	-	181	-
			96.6	95.1	3.35	3.24	151	151
			2.0	68.7	1.50	1.44	153	145
			3.6	98.7	2.37	2.10	147	141
			1.7	63.3	.94	.89	172	171
			3.3	61.7	.93	.87	174	173

Table 14. Destination of Coal Received at Electric Utility Plants by Origin, January-November 1990 (Continued)

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
South Carolina								
Tennessee	212	107	-	0.1	1.17	1.15	164	155
Virginia	917	957	94.1	84.9	.99	1.00	162	157
West Virginia	25	25	79.9	16.6	.79	1.00	182	172
South Dakota	1,852	1,850	99.4	100.0	1.48	1.45	115	124
North Dakota	1,841	1,850	100.0	100.0	1.49	1.45	115	124
Wyoming	11	-	-	-	.41	-	114	-
Tennessee	19,765	16,874	79.0	82.2	1.67	1.67	135	134
Illinois	1,864	1,362	27.2	8.9	1.81	1.68	121	112
Indiana	704	-	-	-	1.75	-	123	-
Kentucky	14,734	12,551	87.7	91.8	1.73	1.78	139	140
Tennessee	1,326	1,758	79.2	69.2	1.12	1.12	121	116
Virginia	1,128	1,185	100.0	93.7	1.38	1.44	131	123
West Virginia	10	18	100.0	100.0	.57	2.09	158	139
Texas	76,760	77,295	97.0	91.1	1.01	.98	146	146
Colorado	1,692	1,378	67.8	100.0	.36	.35	206	223
Texas	44,827	43,896	99.8	93.9	1.57	1.56	108	105
Utah	-	218	-	59.9	-	.45	-	171
Wyoming	30,242	31,802	94.4	87.1	.44	.42	183	183
Utah	13,003	12,385	88.1	90.9	.43	.43	116	124
Colorado	1,417	1,239	100.0	100.0	.46	.40	223	240
Utah	11,586	11,146	86.7	89.9	.43	.43	104	112
Virginia	7,551	9,106	67.5	51.3	.76	.74	155	154
Kentucky	2,422	3,323	62.6	41.1	.82	.81	157	156
Virginia	3,127	3,277	70.8	70.8	.72	.71	152	156
West Virginia	2,002	2,506	68.5	39.2	.75	.69	154	149
Washington	4,674	5,122	92.4	86.1	.87	.81	158	156
Montana	-	55	-	-	-	.35	-	131
Washington	4,326	4,518	99.8	97.6	.91	.87	161	160
Wyoming	348	549	-	-	.35	.41	127	124
West Virginia	30,453	28,720	75.4	73.8	1.52	1.49	147	142
Kentucky	728	988	83.7	51.0	.82	.80	180	166
Maryland	1,046	851	58.1	45.7	1.37	1.41	123	116
Ohio	1,527	853	56.0	39.0	3.30	3.33	96	102
Pennsylvania	532	296	22.2	12.4	1.63	1.25	114	120
West Virginia	26,620	25,732	78.1	77.2	1.44	1.46	151	144
Wisconsin	16,495	16,317	75.2	87.3	.85	.89	136	145
Illinois	1,085	1,373	78.3	90.5	1.75	1.74	144	145
Indiana	1,793	2,012	99.0	96.9	1.76	1.71	193	182
Kentucky	196	378	20.1	33.2	.65	1.19	178	159
Montana	1,800	1,946	77.2	84.7	.69	.73	157	157
New Mexico	43	-	-	-	.39	-	174	-
Ohio	-	7	-	100.0	-	1.13	-	163
Pennsylvania	1,671	1,385	100.0	100.0	1.29	1.28	157	153
Virginia	59	45	-	-	.57	.56	173	164
West Virginia	136	112	-	48.8	1.22	1.36	165	167
Wyoming	9,711	9,057	68.7	86.4	.41	.40	110	128
Wyoming	20,942	19,671	84.5	91.0	.61	.59	83	85
Wyoming	20,942	19,671	84.5	91.0	.61	.59	83	85
U.S. Total	724,172	692,701	82.7	82.5	1.29	1.28	146	145

* For quantity data, the number is less than 0.5 thousand short tons. For Contract Receipts (percent), the value is less than 0.05.
Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 15. Origin of Coal Received at Electric Utility Plants by Destination, January-November 1990

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
Alabama	15,278	13,711	91.2	91.1	1.11	1.12	204	201
Alabama	15,044	13,501	92.5	92.6	1.10	1.11	205	202
Florida	-	13	-	-	-	2.55	-	114
Georgia	234	198	10.0	-	1.67	1.64	155	152
Arizona	10,391	10,926	100.0	100.0	.46	.45	108	105
Arizona	6,678	7,076	100.0	100.0	.44	.44	100	97
Nevada	3,712	3,851	100.0	100.0	.49	.47	123	121
Colorado	14,129	12,801	80.4	86.6	.39	.38	144	142
Arizona	910	578	100.0	100.0	.33	.34	174	172
Colorado	9,149	9,236	76.0	83.0	.39	.38	107	109
Illinois	11	39	-	-	.40	.41	156	180
Indiana	528	189	98.1	74.8	.38	.39	300	302
Kansas	178	-	94.2	-	.33	-	118	-
Missouri	244	62	100.0	14.5	.40	.33	160	187
Nebraska	-	80	-	100.0	-	.45	-	182
Texas	1,692	1,378	67.8	100.0	.36	.35	206	223
Utah	1,417	1,239	100.0	100.0	.46	.40	223	240
Illinois	50,009	50,049	84.3	87.3	2.42	2.35	157	157
Alabama	418	795	-	3.2	2.03	1.98	112	110
Florida	3,879	3,779	98.1	99.3	2.41	2.38	209	198
Georgia	4,512	4,775	95.8	99.4	2.53	2.29	179	184
Illinois	14,283	13,462	90.1	95.7	2.72	2.69	146	151
Indiana	8,991	8,248	85.9	87.4	2.43	2.39	157	160
Iowa	1,158	1,722	91.6	62.0	2.48	2.54	168	144
Kansas	1,213	559	18.6	29.5	2.51	2.63	148	146
Kentucky	91	9	88.6	-	1.59	1.72	135	116
Minnesota	47	52	100.0	100.0	1.32	1.35	179	195
Mississippi	1,051	1,029	89.7	84.9	2.03	1.99	151	147
Missouri	11,393	12,883	85.2	89.7	2.23	2.15	151	151
Ohio	24	-	-	-	2.57	-	117	-
Tennessee	1,864	1,362	27.2	8.9	1.81	1.68	121	112
Wisconsin	1,085	1,373	78.3	90.5	1.75	1.74	144	145
Indiana	28,748	24,933	74.4	74.1	2.30	2.30	128	126
Alabama	459	330	-	-	2.05	2.93	117	106
Florida	410	496	-	15.5	2.85	2.99	108	129
Illinois	1,785	1,832	73.8	68.1	1.57	1.37	126	126
Indiana	19,772	17,286	80.0	80.3	2.41	2.46	125	122
Iowa	1,042	708	70.4	43.1	2.24	2.16	135	131
Kentucky	2,365	1,927	64.2	47.2	2.40	2.22	111	104
Michigan	148	149	59.3	58.6	2.47	2.31	159	155
Minnesota	69	68	12.5	-	1.79	1.64	156	138
Mississippi	23	-	-	-	4.17	-	126	-
Missouri	115	55	100.0	49.1	2.90	1.09	122	123
Ohio	62	70	-	-	2.90	2.57	109	100
Tennessee	704	-	-	-	1.75	-	123	-
Wisconsin	1,793	2,012	99.0	96.9	1.76	1.71	193	182
Iowa	60	43	100.0	100.0	3.32	3.60	163	152
Iowa	60	43	100.0	100.0	3.32	3.60	163	152
Kansas	617	733	4.9	55.2	2.59	3.71	123	131
Kansas	237	636	-	59.0	2.42	3.88	121	130
Missouri	380	97	7.9	30.3	2.70	2.78	124	133
Kentucky	119,247	111,291	73.9	70.5	1.49	1.47	154	154
Alabama	3,091	1,967	40.7	39.6	1.84	2.34	135	124
Connecticut	878	790	91.2	92.5	.41	.40	213	215
Delaware	117	24	14.2	75.0	.52	.61	194	177
Florida	14,218	13,810	77.8	69.4	1.29	1.28	178	172
Georgia	13,459	13,125	72.2	67.9	1.29	1.28	169	166
Illinois	2,020	1,444	43.2	67.2	.82	.64	156	163
Indiana	4,254	3,831	91.1	79.5	2.44	2.42	130	126
	29	75	-	-	2.75	2.35	133	127
	26,296	23,487	76.2	66.1	2.44	2.58	118	114
	397	666	79.3	85.0	.56	.59	160	166
	49	23	-	-	.75	.69	160	138
	6,668	6,773	71.5	84.8	.74	.65	177	194
	8	1	56.6	-	.91	.59	189	198
	2,583	2,173	70.8	79.5	1.00	.86	171	177
	1,003	231	97.7	97.4	2.57	2.75	123	125
	17	-	-	-	.68	-	201	-
	31	56	-	-	.62	.58	190	179

1 of table.

Table 15. Origin of Coal Received at Electric Utility Plants by Destination, January-November 1990 (Continued)

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
Kentucky								
New York	577	508	93.4	100.0	0.39	0.39	210	200
North Carolina	9,020	8,532	80.0	91.3	.78	.74	183	180
Ohio	8,984	8,466	47.4	55.5	.99	1.09	156	153
Pennsylvania	10	-	100.0	-	1.06	-	181	-
South Carolina	7,473	8,068	73.3	61.7	.93	.87	174	173
Tennessee	14,734	12,551	87.7	91.8	1.73	1.78	139	140
Virginia	2,422	3,323	62.6	41.1	.82	.81	157	156
West Virginia	728	988	83.7	51.0	.82	.80	180	166
Wisconsin	196	378	20.1	33.2	.65	1.19	178	158
Louisiana	2,982	2,770	100.0	91.0	.80	.79	133	127
Louisiana	2,982	2,770	100.0	91.0	.80	.79	133	127
Maryland	2,691	2,156	49.8	51.1	1.28	1.31	153	146
Delaware	21	7	100.0	100.0	1.11	1.16	141	139
Maryland	1,501	1,297	45.5	54.4	1.24	1.25	171	165
Massachusetts	40	-	-	-	.75	-	185	-
New York	23	-	-	-	1.33	-	169	-
West Virginia	1,046	851	59.1	45.7	1.37	1.41	123	116
Missouri	2,217	2,889	97.5	98.9	3.95	4.28	164	130
Missouri	2,217	2,889	97.5	98.9	3.95	4.28	164	130
Montana	32,711	33,168	94.1	94.4	.58	.60	138	134
Georgia	-	54	-	-	-	.34	-	181
Illinois	2,587	2,030	100.0	99.5	.39	.38	289	283
Indiana	574	280	58.7	61.8	.39	.35	232	235
Michigan	10,655	10,718	96.3	94.5	.37	.38	149	153
Minnesota	8,560	8,221	89.6	90.8	.77	.79	133	127
Montana	9,555	9,257	100.0	100.0	.74	.78	66	58
Nebraska	-	*	-	-	-	.36	-	23
Washington	-	55	-	-	-	.35	-	131
Wisconsin	1,000	1,046	77.2	84.7	.69	.73	157	157
New Mexico	20,964	20,331	99.1	99.7	.74	.74	151	144
Arizona	6,751	6,399	99.7	100.0	.52	.50	187	182
Colorado	-	32	-	-	-	.42	-	130
Illinois	222	20	50.0	-	.45	.46	166	182
Missouri	18	-	-	-	.34	-	135	-
New Mexico	13,030	13,881	100.0	100.0	.87	.87	132	124
Wisconsin	43	-	-	-	.39	-	174	-
North Dakota	20,705	21,130	100.0	98.5	1.25	1.13	72	74
Minnesota	1	-	100.0	-	.87	-	174	-
North Dakota	18,853	19,280	100.0	98.4	1.23	1.10	68	69
South Dakota	1,841	1,850	100.0	100.0	1.49	1.45	115	124
Ohio	27,851	26,028	70.7	73.5	2.85	2.80	149	156
Alabama	544	2,287	95.4	100.0	2.00	1.99	117	209
Georgia	46	-	-	-	2.28	-	142	-
Indiana	49	10	-	-	2.27	1.93	126	129
Kentucky	244	118	53.3	54.3	2.41	2.21	145	131
Maryland	7	-	-	-	1.78	-	166	-
Michigan	178	217	90.3	87.6	2.77	2.48	190	179
Missouri	24	-	-	-	2.10	-	171	-
New Hampshire	-	16	-	-	-	2.39	-	183
New Jersey	14	-	-	-	1.66	-	203	-
New York	52	20	-	-	1.46	1.72	161	165
Ohio	23,411	22,424	69.9	70.4	2.81	2.82	153	153
Pennsylvania	1,755	2,007	96.6	95.1	3.35	3.24	151	151
West Virginia	1,527	853	56.0	39.0	3.30	3.33	96	102
Wisconsin	-	7	-	100.0	-	1.13	-	163
Oklahoma	1,150	1,017	46.1	32.4	1.29	1.76	139	141
Missouri	36	291	100.0	63.1	3.64	3.28	138	136
Oklahoma	1,114	726	44.3	20.0	1.21	1.17	139	142
Pennsylvania	46,056	43,779	68.9	65.6	1.47	1.41	154	148
Delaware	344	435	34.9	75.5	1.04	1.17	163	164
Kentucky	12	18	12.4	49.4	2.05	1.98	113	127
Maryland	2,372	2,227	90.8	95.6	1.48	1.51	179	170
Massachusetts	844	939	27.2	17.3	1.08	1.06	174	164
Michigan	1,790	1,617	71.1	71.6	1.13	.99	158	172
Minnesota	3	-	100.0	-	1.02	-	176	-
New Hampshire	196	195	100.0	20.3	1.03	1.00	178	174
New Jersey	26	34	-	-	.95	1.09	189	181
New York	4,008	5,449	47.6	44.1	1.46	1.35	156	149

See footnotes at end of table.

Table 15. Origin of Coal Received at Electric Utility Plants by Destination, January-November 1990 (Continued)

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
Pennsylvania								
Ohio	3,034	2,792	59.0	53.6	1.72	1.72	140	134
Pennsylvania	31,084	28,491	72.0	68.7	1.50	1.44	153	145
West Virginia	532	296	22.2	12.4	1.63	1.25	114	120
Wisconsin	1,671	1,385	100.0	100.0	1.29	1.28	157	153
Tennessee	4,303	4,300	57.7	59.6	1.14	1.07	145	141
Alabama	739	685	11.6	26.9	.66	.62	125	126
Florida	115	78	100.0	100.0	.86	.79	215	215
Georgia	1,219	1,008	50.8	77.6	1.11	.81	182	199
Illinois	125	-	100.0	-	.57	-	169	-
Kentucky	567	499	85.8	27.1	2.08	2.08	120	105
North Carolina	-	166	-	100.0	-	1.08	-	187
South Carolina	212	107	-	.1	1.17	1.15	164	155
Tennessee	1,326	1,758	79.2	69.2	1.12	1.12	121	116
Texas	44,827	43,896	99.8	93.9	1.57	1.56	108	105
Texas	44,827	43,896	99.8	93.9	1.57	1.56	108	105
Utah	14,116	13,538	89.0	90.7	.44	.44	118	126
Missouri	-	48	-	-	-	.40	-	183
Nevada	2,530	2,126	99.7	100.0	.47	.46	181	190
Texas	-	218	-	59.9	-	.45	-	171
Utah	11,586	11,146	86.7	89.9	.43	.43	104	112
Virginia	15,933	16,534	85.2	82.6	.88	.89	169	166
Delaware	227	61	51.7	100.0	.71	.65	195	200
Florida	902	763	90.0	97.8	.58	.58	236	232
Georgia	3,085	3,046	74.2	69.7	1.06	1.10	174	171
Illinois	-	6	-	-	-	.59	-	185
Indiana	56	-	-	-	.58	-	164	-
Kentucky	60	-	100.0	-	.58	-	158	-
Maryland	21	-	-	-	.47	-	179	-
Massachusetts	1,299	1,562	89.9	100.0	.93	.91	175	162
Michigan	113	527	100.0	100.0	1.09	.92	186	176
New Hampshire	-	35	-	-	-	.92	-	219
New Jersey	911	1,058	97.8	79.9	.58	.61	178	173
North Carolina	4,029	3,978	97.2	92.2	.85	.80	168	171
Ohio	-	33	-	-	-	1.05	-	184
South Carolina	917	957	94.1	84.9	.99	1.00	162	157
Tennessee	1,128	1,185	100.0	83.7	1.38	1.44	131	123
Virginia	3,127	3,277	70.8	70.8	.72	.71	152	156
Wisconsin	59	45	-	-	.57	.56	173	164
Washington	4,326	4,518	99.8	97.6	.91	.87	161	160
Washington	4,326	4,518	99.8	97.6	.91	.87	161	160
West Virginia	81,176	76,996	78.9	75.6	1.31	1.28	158	153
Alabama	36	93	17.7	39.2	.66	.64	142	156
Connecticut	-	26	-	-	-	.49	-	185
Delaware	1,322	1,242	95.6	93.4	.68	.69	184	183
Florida	1,985	1,826	87.3	90.0	.89	.94	184	182
Georgia	1,345	1,262	100.0	100.0	.56	.53	247	243
Illinois	211	260	25.5	54.6	.52	.52	156	169
Indiana	370	258	57.5	51.6	.55	.77	198	186
Kentucky	2,807	2,213	41.5	45.1	.62	.66	129	117
Louisiana	200	161	100.0	100.0	.51	.50	206	202
Maryland	4,850	3,438	68.7	57.0	.98	.97	156	150
Massachusetts	1,348	1,523	85.9	87.4	.96	.93	168	155
Michigan	5,710	5,846	74.9	72.9	.67	.59	170	180
Minnesota	2	-	100.0	-	.95	-	169	-
Mississippi	-	27	-	-	-	1.30	-	143
New Hampshire	799	737	81.2	11.4	1.67	1.66	176	169
New Jersey	1,644	1,889	86.6	79.8	1.03	1.05	181	177
New York	3,995	3,127	88.3	93.4	1.56	1.44	160	164
North Carolina	5,084	4,403	79.8	81.8	.65	.62	177	174
Ohio	[illegible]	[illegible]	75.5	72.3	1.49	1.48	148	139
			96.6	88.7	2.37	2.10	147	141
			79.9	16.6	.79	1.00	182	172
			100.0	100.0	.57	2.09	158	139
			68.5	39.2	.75	.69	154	149
			78.1	77.2	1.44	1.46	151	144
			-	48.9	1.22	1.36	165	167
			85.0	88.2	.44	.44	133	137
[illegible]	210	-	-	-	.44	-	170	-

See footnotes at end of table.

Table 15. Origin of Coal Received at Electric Utility Plants by Destination, January-November 1990 (Continued)

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1990	1989	1990	1989	1990	1989	1990	1989
Wyoming								
Arkansas	9,984	10,594	100.0	100.0	0.39	0.39	162	163
Colorado	4,909	5,083	100.0	95.9	.39	.37	105	100
Georgia	1,850	108	3.2	-	.36	.39	142	146
Illinois	3,093	3,299	92.1	98.7	.44	.48	289	292
Indiana	10,948	6,759	83.5	69.6	.39	.44	128	142
Iowa	12,335	10,898	65.5	78.5	.43	.42	104	117
Kansas	12,847	12,486	91.7	92.9	.41	.41	122	122
Kentucky	213	22	65.2	-	.40	.37	123	124
Louisiana	7,395	7,884	100.0	100.0	.54	.52	160	171
Michigan	2,142	1,123	30.2	-	.34	.35	110	118
Minnesota	6,525	6,481	99.3	99.7	.31	.31	117	112
Missouri	6,987	6,555	65.8	76.3	.43	.43	97	96
Nebraska	7,393	6,640	76.1	81.8	.41	.42	76	82
Nevada	544	454	100.0	100.0	.45	.48	203	199
Oklahoma	12,128	12,629	94.1	94.7	.45	.45	140	136
Oregon	819	-	100.0	-	.37	-	108	-
South Dakota	11	-	-	-	.41	-	114	-
Texas	30,242	31,802	94.4	97.1	.44	.42	183	183
Washington	348	549	-	-	.35	.41	127	124
Wisconsin	9,711	9,057	68.7	86.4	.41	.40	110	128
Wyoming	20,942	19,671	84.5	91.0	.61	.59	83	85
Imported Coal	1,210	1,069	60.8	60.4	.60	.55	175	178
Canada	34	-	-	-	.97	-	181	-
New Hampshire	34	-	-	-	.97	-	181	-
Colombia	985	1,003	66.4	64.3	.61	.57	173	179
Florida	880	885	74.3	94.1	.61	.61	171	173
Georgia	-	23	-	-	-	.54	-	173
Maryland	-	247	-	-	-	.47	-	195
Massachusetts	105	35	-	-	.56	.48	190	196
New Jersey	-	12	-	-	-	.43	-	176
Venezuela	191	66	42.5	-	.47	.37	183	161
Florida	40	37	-	-	.63	.36	171	141
Massachusetts	70	-	-	-	.48	-	181	-
New Hampshire	81	-	100.0	-	.39	-	189	-
New Jersey	-	29	-	-	-	.39	-	188
U.S. Total	724,172	692,701	82.7	82.5	1.29	1.28	146	145

* For quantity data, the number is less than 0.5 thousand short tons. For Contract Receipts (percent), the value is less than 0.05.
Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

EIA Coal Data and Coal Models on Tape and Electronic Access

Coal Data Tapes

The **Coal Distribution** data tapes contain annual data on coal shipments by origin, destination, consumer sector and mode of transportation as well as on coal production and producer/distributor stocks, beginning with 1980. Additional information is available from Steve Scott, (202) 254-5467.

The **Coal Production** data tapes contain annual data on production, average mine price, reserves, employment and productivity, beginning with 1979. Additional information is available from John G. Colligan, (202) 254-5465.

The **Quarterly Coal Report** data tape contains quarterly data on production, exports, imports, consumption, receipts, delivered prices and stocks, beginning with 1980. Additional information is available from Paulette Young, (202) 254-5481.

Coal Data By Electronic Access

Public access to coal data is available electronically by dialing (202) 586-8658. Communications are asynchronous at 300 or 1200 baud line speeds and require a standard ASCII-type terminal. (This service is free of charge).

Weekly Coal Production: This file contains current weekly coal production data. Additional information is available from Mary K. Paull, (202) 254-5379.

Quarterly Coal Report: This file contains comprehensive data on U.S. coal production, exports, imports, receipts, consumption and stocks. Additional information is available from T.C. Swann, (202) 254-5407.

Coal Model Tapes

The Coal Supply and Transportation Model (CSTM) is used to forecast coal production levels and coal transportation flows. The CSTM has been used to develop projections which appear in *Outlook for U.S. Coal Imports* and the *Annual Outlook for U.S. Coal* and served as the basis for an EIA report on rail deregulation and an EIA report on coal slurry pipelines. CSTM projections will appear in the *Annual Energy Outlook 1991*, and were used in support of the National Coal Model (NCM) to provide analysis of the Clean Air Act Amendments of 1990. It also provides forecasts for several other EIA coal and multi-fuel reports. Additional information is available from Rich Newcombe, (202) 254-5370.

The International Coal Trade Model (ICTM) projects coal trade flows and represents all the major coal-exporting and coal-importing countries, as well as those with the potential to become major coal exporters. The ICTM is used to develop coal trade forecasts presented each year in *Annual Prospects for World Coal Trade.* In addition, ICTM projections served as the foundation for two recent service reports, *The Impact of Eliminating Coal Subsidies in Western Europe* and *Lower U.S. Mining Costs: Impact on World Coal Trade Projections.* Additional information is available from Fred Mayes, (202) 254-5409.

The National Coal Model (NCM) provides detailed projections of coal supply, transportation, and electric utility consumption. The NCM is primarily used to assess the consequences of proposed clean air legislation on the coal and electric utility industries, as in its use during 1990 to analyze impacts of the Clean Air Act Amendments of 1990. Additional information is available from Rich Newcombe, (202) 254-5370.

The Resource Allocation and Mine Costing Model (RAMC) uses estimates of coal reserves and cost estimates for new mine development to construct long-term supply curves relating coal prices and production for specific types of coal, supply regions, and mining methods. These supply curves are used in the CSTM, ICTM, and NCM. Additional information is available from B.D. Hong, (202) 254-5365.

The Short-term Coal Analysis System (SCOAL) is a series of equations used to project quarterly coal production trends by State. SCOAL projections appear in the *Short-term Energy Outlook,* EIA's quarterly summary of energy demand and supply projections and the *Quarterly Coal Report.* Additional information is available from Fred Freme, (202) 254-5367.

The PC-Coal Model projects production, coal mine-mouth prices, and delivered coal prices for seven supply regions. This simplified model is available on diskette. Additional information is available from B.D. Hong, (202) 254-5365.

NOTE: To order coal model tapes or data tapes, or to learn more about them, contact the National Energy Information Center at (202) 586-8800.

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